

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 06/02/2020 10:12 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125304	0	2.36	125426	2.37
Blue	F	SSC	125000	124208	-1	1.83	124947	1.81
Blue	E	FITC	15892	15348	-4	2.83	336	20.73
Blue	D	PE	29999	29209	-3	2.00	637	15.22
Blue	B	PerCP-Cy5-5	43732	43462	-1	3.75	1160	21.10
Blue	A	PE-Cy7	30845	30829	-1	6.20	585	41.84
Red	C	APC	46112	45096	-3	2.47	1594	11.99
Red	A	APC-Cy7	30458	30000	-2	2.34	793	11.83
Violet	B	V450	7918	7676	-4	4.11	439	12.76
Violet	A	V500	32171	30892	-4	3.84	724	10.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16975	13.02	632	11	N/A	N/A	Pass
Blue	F	SSC	57124	1.38	571	12	N/A	N/A	Pass
Blue	E	FITC	61	65.51	548	5	0.0184	120	Pass
Blue	D	PE	133	48.89	554	6	0.1371	199	Pass
Blue	B	PerCP-Cy5-5	215	51.06	661	5	0.0084	43	Pass
Blue	A	PE-Cy7	109	105.90	704	6	0.0106	24	Pass
Red	C	APC	378	25.26	586	2	0.0252	173	Pass
Red	A	APC-Cy7	175	28.24	558	2	0.0057	898	Pass
Violet	B	V450	67	56.16	460	2	0.0498	1749	Pass
Violet	A	V500	107	33.89	475	1	0.0242	854	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.59	-32.23	1.02
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.42
Red	16.61	13.60 - 20.40	N/A	N/A	29.68	30.05	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9550

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments